

Intel Corporation
(949) 498-0601
Intel Legal Team

Fax

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Page 1 of 22
Urgent
Confidential

Date: December 20, 2004

To: Mail Stop Amendment Fax: (703) 872-9306 Art Unit: 2137 & 186

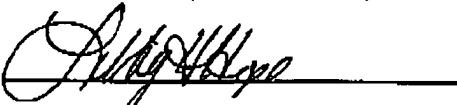
From: Libby H. Hope Fax: (949) 498-0601 M/S:

Subject:

1. Application No.: 09/752,534, filed December 29, 2000, Inventor: Khare, et al.

A CONFIRMATION COPY OF THIS DOCUMENT: WILL NOT BE SENT

I hereby certify that the below listed correspondence is being facsimile transmitted to the USPTO to: Mail Stop: Amendment, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on 20-Dec-04.

Name:  Date: 20 December 2004

Included in this transmission:

Fax Cover Sheet (1 page)
Transmittal Form (1 page)
Fee Transmittal (3 pages, submitted in duplicate)
Amendment (13 pages)
Petition For Extension of Time (1 page)

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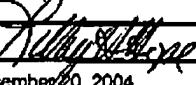
PTO/SB/21 (08-03)

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number 08/752,534
		Filing Date December 29, 2000
		First Named Inventor Khare, et al
		Art Unit 2186
		Examiner Name Petei, Hatul B.
Total Number of Pages in This Submission		Attorney Docket Number 2186

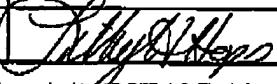
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Certificate of mail;
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Libby H. Hope, Reg. No. 46,774 Intel Corporation	
Signature		
Date	December 20, 2004	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Libby H. Hope	
Signature		Date 12/20/04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEE TRANSMITTAL FOR FY 2005

(FY 2005 Begins 10/01/2004. Fee changes made on 11/22/04 and 12/08/04 are included.)

TOTAL AMOUNT OF PAYMENT (\$) 120.00**Complete if Known:**Application No. 09/752,534Filing Date December 29, 2000First Named Inventor Khare, et al.Examiner Name Patel, Hetul B.Art Unit 2188Attorney Docket No. 42390P9878

Applicant claims small entity status. See 37 CFR 1.27.

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

 Deposit AccountDeposit Account Number : 50-0221

Deposit Account Name: _____

 The Director is Authorized to do the following with respect to the above-identified Deposit Account: Charge fee(s) indicated below. Credit any overpayments. Charge any additional fees during the pendency of this application. Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged. Charge fee(s) indicated below except for the filing fee**FEE CALCULATION****1A. BASIC FILING FEE/SEARCH FEE/EXAMINATION FEE**

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
1011	2011	300	150	Utility application filing fee	{ 1,000/500*
1111	2111	500	250	Utility search fee	
1311	2311	200	100	Utility examination fee	
1012	2012	200	100	Design application filing fee	{ 430/215*
1112	2112	100	50	Design search fee	
1312	2312	130	65	Design examination fee	
1013	2013	200	100	Plant filing fee	{ 660/330*
1113	2113	300	150	Plant search fee	
1313	2313	160	80	Plant examination fee	
1004	2004	300	150	Reissue filing fee	{ 1,400/700*
1114	2114	500	250	Reissue search fee	
1314	2314	600	300	Reissue examination fee	
1005	2005	200	100	Provisional application filing fee	

SUBTOTAL (1) \$ _____

* List the filing, search, and examination fees separately, but pay concurrently.

1B. APPLICATION SIZE FEE

				<u>Extra Sheets</u>	<u>Fee from below</u>	<u>Fee paid</u>
Total Sheets _____ - 100 =				<u>/50</u> = _____ * X _____		
<u>Large Entity</u>	<u>Small Entity</u>			*(round up to integer)		
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Description</u>		
1081	250	2081	125	Utility application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		
1082	250	2082	125	Design application size fee for each additional group of 50 sheets beyond Initial 100 sheets (count spec & drawings except sequences & program listings)		
1083	250	2083	125	Plant application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		
1084	250	2084	125	Reissue application fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		
SUBTOTAL (2) \$ _____						

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

				<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims _____ - 20** = _____				X _____ = _____		
Independent Claims _____ - 3** = _____				X _____ = _____		
Multiple Dependent				_____ = _____		
<u>Large Entity</u>	<u>Small Entity</u>					
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Description</u>		
1202	50	2202	25	Claims in excess of 20		
1201	200	2201	100	Independent claims in excess of 3		
1203	360	2203	180	Multiple dependent claim, if not paid		
1204	200	2204	100	**Reissue independent claims over original patent		
1205	50	2205	25	**Reissue claims in excess of 20 and over original patent		
SUBTOTAL (3) \$ _____						

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

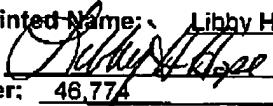
<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)	Fee Description	
1051	130	Surcharge - late filing fee or oath	
1052	50	Surcharge - late provisional filing fee or cover sheet	
1053	130	Non-English specification	
1812	2,520	For filing a request for ex parte reexamination	
1813	8,800	Request for inter partes reexamination	
1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	Requesting publication of SIR after Examiner action	
1251	120	Extension for reply within first month	120.00
1252	450	Extension for reply within second month	
1253	1,020	Extension for reply within third month	
1254	1,590	Extension for reply within fourth month	
1255	2,160	Extension for reply within fifth month	
1401	500	Notice of Appeal	
1402	500	Filing a brief in support of an appeal	
1403	1,000	Request for oral hearing	
1451	1,510	Petition to institute a public use proceeding	
1452	500	Petition to revive - unavoidable	
1453	1,500	Petition to revive - unintentional	
1501	1,400	Utility issue fee (or reissue)	
1502	800	Design issue fee	
1503	1100	Plant issue fee	
1464	130	Petitions to the Commissioner (CFR 1.17(h) Group III)	
1463	200	Petitions to the Commissioner (CFR 1.17(g) Group II)	
1462	400	Petitions to the Commissioner (CFR 1.17(f) Group I)	
1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	Submission of Information Disclosure Stmt	
8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	For filing a submission after final rejection (see 37 CFR 1.129(a))	
1814	130	Statutory Disclaimer	
1810	790	For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	790	Request for Continued Examination (RCE)	
1802	900	Request for expedited examination of a design application	
1504	300	Publication fee for early, voluntary, or normal pub.	
1505	300	Publication fee for republication	
1803	130	Request for voluntary publication or republication	
1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	
1454	1,370	Acceptance of unintentionally delayed claim for priority	

Other fee (specify) _____

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid **SUBTOTAL (4) \$120.00****SUBMITTED BY:**

Typed or Printed Name: Libby H. Hope

Signature:  Date: December 20, 2004
Reg. Number: 46,774 Telephone Number: (949) 498-0601

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

FEE TRANSMITTAL FOR FY 2005

(FY 2005 Begins 10/01/2004. Fee changes made on 11/22/04 and 12/08/04 are included.)

TOTAL AMOUNT OF PAYMENT (\$) 120.00**Complete if Known:**Application No. 09/752,534Filing Date December 29, 2000First Named Inventor Khare, et al.Examiner Name Patel, Hetul B.Art Unit 2186Attorney Docket No. 42390P9878

Applicant claims small entity status. See 37 CFR 1.27.

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account

Deposit Account Number: 50-0221

Deposit Account Name: _____

 The Director is Authorized to do the following with respect to the above-identified Deposit Account: Charge fee(s) indicated below. Credit any overpayments. Charge any additional fees during the pendency of this application. Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged. Charge fee(s) indicated below except for the filing fee**FEE CALCULATION****1A. BASIC FILING FEE/SEARCH FEE/EXAMINATION FEE**

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1111 500	2111 250	Utility search fee	
1311 200	2311 100	Utility examination fee	
1012 200	2012 100	Design application filing fee	{
1112 100	2112 50	Design search fee	430/215*
1312 130	2312 65	Design examination fee	
1013 200	2013 100	Plant filing fee	{
1113 300	2113 150	Plant search fee	660/330*
1313 160	2313 80	Plant examination fee	
1004 300	2004 150	Reissue filing fee	{
1114 500	2114 250	Reissue search fee	1,400/700*
1314 600	2314 300	Reissue examination fee	
1005 200	2005 100	Provisional application filing fee	

SUBTOTAL (1) \$ _____

* List the filing, search, and examination fees separately, but pay concurrently.

18. APPLICATION SIZE FEE

Total Sheets	- 100 =		Extra Sheets /50 =	* X	Fee from below	Fee paid
Large Entity	Small Entity		*(round up to Integer)			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description		
1081	250	2081	125	Utility application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		
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1084	250	2084	125	Reissue application fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)		

SUBTOTAL (2) \$ _____

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	- 20** =		Extra Claims	Fee from below	Fee Paid
Independent Claims	- 3** =		X	=	=
Multiple Dependent			X	=	=

**Or number previously paid, if greater; For Reissues, see below.

Large Entity Small Entity

Code	(\\$)	Code	(\\$)	Fee Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	**Reissue independent claims over original patent
1205	50	2205	25	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (3) \$ _____

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

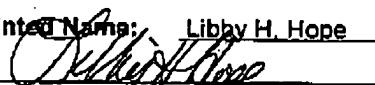
<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee	Fee	Fee	
Code	(\$)	Code	(\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1813	8,800	1813	8,800
1804	920*	1804	920*
1805	1,840*	1805	1,840*
1251	120	2251	60
1252	450	2252	225
1253	1,020	2253	510
1254	1,580	2254	795
1255	2,160	2255	1,080
1401	500	2401	250
1402	500	2402	250
1403	1,000	2403	500
1451	1,510	1451	1,510
1452	500	2452	250
1453	1,500	2453	750
1501	1,400	2501	700
1502	800	2502	400
1503	1100	2503	550
1464	130	1460	130
1463	200	1460	200
1462	400	1460	400
1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	790	2809	395
1814	130	2814	65
1810	790	2810	395
1801	790	2801	395
1802	900	1802	900
1504	300	1504	300
1505	300	1505	300
1803	130	1803	130
1808	130	1808	130
1454	1,370	1454	1,370
Acceptance of unintentionally delayed claim for priority			

Other fee (specify) _____

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid **SUBTOTAL (4) \$120.00****SUBMITTED BY:**

Typed or Printed Name: Libby H. Hope

Signature:  Date: December 20, 2004
Reg. Number: 46,764 Telephone Number: (949) 498-0601

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Docket No.: 42390P9878

- 3 -

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DEC 20 2004

Our Docket No.: 42390P9878

Utility Patent Application

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Patent Application of:

Khare, et al.

Serial No.: 09/752,534

Examiner: Patel, Hetul B.

Assignee: Intel Corporation

Filed: December 29, 2000

Art Unit: 2186

For: A MECHANISM FOR EFFICIENTLY
SUPPORTING THE FULL MESI (MODIFIED,
EXCLUSIVE, SHARED, INVALID) PROTOCOL
IN A CACHE COHERENT MULTI-NODE
SHARED MEMORY SYSTEM

RESPONSE TO OFFICE ACTION

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF FACSIMILE TRANSMISSION

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Date of Deposit: December 20, 2004

Name of Person Delivering Correspondence: Libby H. Hope

Signature

December 20, 2004
Date

Docket No.: 42390P9878
Application No.: 09/752,534

1

Utility Patent Application

INTRODUCTORY COMMENTS

Sir:

In response to the Office Action mailed August 18, 2004, Applicants respectfully request the Examiner to enter the following amendment and to consider the following Remarks.

Amendments to the Claims begin on page 3 of this paper.

Remarks begin on page 8 of this paper.